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Product Datasheet

Swainsonine, CAS [[72741-87-8]] FBM-10-2674

Article Name	Swainsonine, CAS [[72741-87-8]]
Biozol Catalog Number	FBM-10-2674
Supplier Catalog Number	10-2674
Alternative Catalog Number	FBM-10-2674-1MG, FBM-10-2674-5MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Glycosidase inhibitor...
Molecular Weight	173.21
Purity	98% by TLC NMR (Conforms)
Form	White or off-white solid
CAS Number	[72741-87-8]
Formula	C ₈ H ₁₅ NO ₃
Application Notes	A naturally occurring alkaloidal toxin found in locoweed. Inhibits the biosynthesis of complex glycoproteins by inhibition of Golgi mannosidase II (IC ₅₀ = 0.2 µM). ¹ Inhibits growth and potentiates the cytotoxic effect of taxol in hepatocellular carcinoma in vivo. ² Induces apoptosis in a variety of cell types including cerebral cortical neurons. ³ Impairs adult neurogenesis and spatial learning and memory. ⁴ Abrogation of complex glycosylation by swainsonine results in strain-and cell-specific inhibition of prion replication. ⁵ Induces lysosomal storage disease in farm animals. ⁶